CLAIMS

- An oligonucleotide that includes a sequence selected from the group
 consisting of SEQ ID NO:2, SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6, SEQ ID NO:7 and their complementary sequences.
 - 2. The oligonucleotide according to claim 1, which consists of SEQ ID NO: 2 or its complementary sequence.
 - 3. The oligonucleotide according to claim 1, which consists of SEQ ID NO: 3, or its complementary sequence.
- 4. The oligonucleotide according to claim 1, which consists of SEQ ID NO: 4, or its complementary sequence.

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- 5. The oligonucleotide according to claim 1, which consists of SEQ ID NO: 5, or its complementary sequence.
- 20 6. The oligonucleotide according to claim 1, which consists of SEQ ID NO: 6, or its complementary sequence.
 - 7. The oligonucleotide according to claim 1, which consists of SEQ ID NO: 7, or its complementary sequence.
 - 8. Use of an oligonucleotide as defined in any of claims 1 to 7, as a probe or primer, for hybridizing with and optionally amplifying a nucleic acid from a hepatitis B virus (HBV).
- 9. Use of an oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence, as a probe for hybridizing with a nucleic acid from HBV.

- 10. The use according to claim 9, wherein said oligonucleotide consists of a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence.
- 11. The use according to claim 9, wherein said oligonucleotide includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence and carries a fluorophore moiety at one terminus, and a quencher moiety at the other terminus.

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- 12. The use according to claim 11, wherein said oligonucleotide consists of a sequence selected from the group consisting of SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14 and SEQ ID NO:15, and carries a fluorophore moiety at one terminus, and a quencher moiety at the other terminus.
- 13. A set of oligonucleotides consisting of an oligonucleotide that includes SEQ ID NO:2, and at least an oligonucleotide selected from the group consisting of an oligonucleotide that includes SEQ ID NO:3, SEQ ID NO:4, SEQ ID NO:5, SEQ ID NO:6 and SEQ ID NO:7.
 - 14. A set of oligonucleotides according to claim 13, which consists of:
 - (i) an oligonucleotide that includes SEQ ID NO:2, and an oligonucleotide that includes SEQ ID NO:3;
 - (ii) an oligonucleotide that includes SEQ ID NO:2, and an oligonucleotide that includes SEQ ID NO:4;
 - (iii) an oligonucleotide that includes SEQ ID NO:2, and an oligonucleotide that includes SEQ ID NO:5;
 - (iv) an oligonucleotide that includes SEQ ID NO:2, and an oligonucleotide that includes SEQ ID NO:6;
 - (v) an oligonucleotide that includes SEQ ID NO:2, and an oligonucleotide that includes SEQ ID NO:7;
 - vi) an oligonucleotide that includes SEQ ID NO:2, an oligonucleotide that includes SEQ ID NO:4 and an oligonucleotide that includes SEQ ID NO:5; and
 - (vii) an oligonucleotide that includes SEQ ID NO:2, an oligonucleotide that includes SEQ ID NO:6 and an oligonucleotide that includes SEQ ID NO:7.

15. A set of oligonucleotides comprising:

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- a) a set of oligonucleotides according to claim 13 or 14; and
- b) an oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence.
 - 16. A set of oligonucleotides according to claim 15, that comprises:
 - a) a set of oligonucleotides according to claim 13 or 14; and
- b) an oligonucleotide that consists of a sequence selected from the group consisting of SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14 and SEQ ID NO:15, and carries a fluorophore moiety at one terminus, and a quencher moiety at the other terminus.
- 15. A method for specifically detecting a HBV by amplification in a biological sample, which method comprises the steps consisting of:
 - a) contacting a set of oligonucleotides according to claim 13 or 14 with a biological sample or nucleic acid preparation obtained from a biological sample, under conditions suitable for the oligonucleotides to hybridize to a HBV nucleic acid present in the sample;
 - b) amplifying said HBV nucleic acid using said oligonucleotides as primers;
 - c) detecting the amplification product, indicative of the presence of a HBV in the biological sample.
 - 18. The method according to claim 17, wherein HBV nucleic acid is amplified by polymerase chain reaction.
- 19. The method according to claim 17 or 18, wherein the detection of said amplification product is performed by using an oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence, and that is detectably labelled, as a probe.

- 20. The method according to claim 19, wherein said oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence, and carries a fluorophore moiety at one terminus, and a quencher moiety at the other terminus.
- 21. The method according to claim 19 or 20, wherein said oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence, is SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14 or SEQ ID NO:15.
 - 22. A kit for amplifying HBV in a biological sample, which kit comprises :
- at least a set of oligonucleotides according to claim 13 or 14, useful as primers;
 - means for amplifying a HBV nucleic acid.

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- 23. The kit according to claim 22, which further comprises means for the detection of the amplified product.
- 24. The kit according to claims 22 or 23, wherein the means for amplifying HBV nucleic acid are means for amplification by Polymerase Chain Reaction.
- 25. The kit according to any of claims 22 to 24, which comprises an oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence, detectably labelled and useful as a probe.
- 26. The kit according to claim 25, wherein said oligonucleotide that includes a sequence selected from the group consisting of SEQ ID NO:8, SEQ ID NO:9, SEQ ID NO:10, SEQ ID NO:11, and their complementary sequence, is SEQ ID NO:12, SEQ ID NO:13, SEQ ID NO:14 or SEQ ID NO:15.